

Title (en)
STABILIZED EDIBLE OIL-IN-WATER EMULSION COMPRISING GROUND PULSE SEED

Title (de)
STABILISIERTE ESSBARE ÖL-IN-WASSER-EMULSION MIT GEMAHLENEN HÜLSENFRUCHTSAMEN

Title (fr)
ÉMULSION À PHASE CONTINUE AQUEUSE STABILISÉE ET COMESTIBLE COMPRENANT DES GRAINES DE LÉGUMINEUSES BROYÉES

Publication
EP 2658392 B1 20150415 (EN)

Application
EP 11790995 A 20111206

Priority

- EP 10197054 A 20101227
- EP 2011071871 W 20111206
- EP 11790995 A 20111206

Abstract (en)
[origin: WO2012089448A1] The present invention relates to edible oil-in-water emulsions that have been stabilized by incorporation of a small quantity of ground, pulse seed and a related process of production thereof. More particularly, the invention provides an edible oil-in-water emulsion comprising: 15-80 wt. % of a continuous aqueous phase, said aqueous phase having a pH in the range of 3.0-5.0; 20-85 wt. % of a dispersed oil phase comprising more than 80 vol.% of oil droplets having a diameter of less than 20 µm; wherein the emulsion has an elastic modulus G' at 20°C of 100-3500 Pa and contains 0.1-8% of finely ground pulse seed, calculated as dry matter by weight of aqueous phase, said finely ground pulse seed being obtained from pulse seed having the following composition, calculated on dry matter: 30-60 wt. % of starch; 1-40 wt. % of dietary fiber; 0.5-12 wt. % of sugars; 15-35 wt.% of protein; 0.8-12 wt. % of oil; wherein starch, dietary fiber, sugars, protein and oil together make up 95-100 wt. % of the dry matter contained in the pulse seed; and wherein the pulse seed contains starch and protein in a weight ratio of 2:3 to 3:1.

IPC 8 full level
A23L 11/00 (2016.01); **A23L 27/60** (2016.01)

CPC (source: EP US)
A23L 11/05 (2016.07 - EP US); **A23L 27/60** (2016.07 - EP US)

Cited by
WO2019129930A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012089448 A1 20120705; BR 112013016318 A2 20160802; BR 112013016318 B1 20181009; CA 2822844 A1 20120705; CA 2822844 C 20190122; EA 027962 B1 20170929; EA 201300771 A1 20131230; EP 2658392 A1 20131106; EP 2658392 B1 20150415; ES 2541630 T3 20150722; US 2013260008 A1 20131003; US 8883241 B2 20141111; ZA 201304277 B 20140827

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EP 2011071871 W 20111206; BR 112013016318 A 20111206; CA 2822844 A 20111206; EA 201300771 A 20111206; EP 11790995 A 20111206; ES 11790995 T 20111206; US 201113994297 A 20111206; ZA 201304277 A 20130611